

**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/US03/22498

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : G06F 17/60  
US CL : 705/26, 14, 16

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 705/26, 14, 16

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,832,457 A (O'BRIEN et al) 3 November 1999 (03.11.1999), Columns 3-4	1-71
Y	US 5,797,126 A (HELBLING et al) 18 August 1998. (18.09.1998) Columns 3-7	1, 23, 44, 58
Y	US 5,408,417 A (WILDER) 18 April 1995 (18.04.1995), columns 2-3	1, 23, 44, 58
Y	US 6,456,987 B1 (DEJAEGER et al) 24 September 2002. (24.09.2002), column 2	1, 23, 44, 58

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:	
"A"	document defining the general state of the art which is not considered to be of particular relevance
"E"	earlier application or patent published on or after the international filing date
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"O"	document referring to an oral disclosure, use, exhibition or other means
"P"	document published prior to the international filing date but later than the priority date claimed
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"&"	document member of the same patent family

Date of the actual completion of the international search

19 November 2003 (19.11.2003)

Date of mailing of the international search report

20 APR 2004

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